

Amendments to the Claims:

The following Listing of Claims, in which deleted text appears ~~struck through~~ and inserted text appears underlined, will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A primer set for identifying a killer-cell immunoglobulin-like receptor (KIR) allele, comprising: a first primer pair that comprises a first primer and second primer capable of producing an amplicon that is less than or 1000 bases in length from an intra-exon portion of a nucleic acid that encodes for an extracellular portion of a KIR, wherein the set produces an amplicon for at least KIR1D.
2. (Original) The primer set of claim 1, further comprising: one or more additional primer pairs that comprise a first primer and second primer capable of producing an amplicon that is less than or 1000 bases in length from an intra-exon portion of a nucleic acid that encodes for an extracellular portion of one or more additional KIRs.
3. (Original) The primer set of claim 1 wherein the primer set comprises primer pairs that are capable of identifying all presently known KIRs.
4. (Original) The primer set of claim 3 wherein a majority of the primer pairs comprise primers that are capable of producing an amplicon that is less than or 1000 bases in length from an intra-exon portion of a nucleic acid that encodes for an extracellular portion of the KIR.
5. (Currently Amended) A primer set for identifying all of the presently known KIR alleles comprising: a plurality of primer pairs that are capable of identifying all presently known KIR alleles, wherein a majority of the primer pairs are capable of producing an amplicon that is less than or 1000 bases in length from a nucleic acid that encodes a KIR, wherein the set produces an amplicon for at least KIR1D.

6. (Original) The primer set of claim 5 wherein one or more of the primer pairs of the majority of the primer pairs are capable of producing an amplicon that is less than or 1000 bases in length from a nucleic acid that encodes for an extracellular portion of a KIR.

7. (Original) The primer set of claim 6 wherein one or more of the primer pairs of the majority of the primer pairs are capable of producing an amplicon that is less than or 1000 bases in length from an intra-exon portion of a nucleic acid encoding for an extracellular portion of a KIR.

8. (Original) The primer set of claim 5 wherein a majority of the primer pairs are capable of producing an amplicon that less than or 500 bases in length.

9. (Original) The primer set of claim 8 wherein a majority of the primer pairs are capable of producing an amplicon that less than or 250 bases in length.

10. (Original) The primer set of claim 5, wherein a majority of the primer pairs are capable of producing an amplicon from 150 to 1000 bases in length.

11. (Original) The primer set of claim 5 wherein one or more of the primer pairs of the majority of the primer pairs are capable of producing an amplicon that is less than or 1000 bases in length from an intra-exon portion of a nucleic acid that encodes for a portion of a KIR.

12. (Original) The primer set of claim 7 wherein the intra-exon or extracellular portion of the KIR receptor is encoded by any one of KIR exons 1-8.

13. (Original) The primer set of claim 5 wherein one or more primer pairs are capable of producing an amplicon that is greater than 1000 bases in length.

14. (Original) The primer set of claim 5, wherein none of the primer pairs are capable of producing an amplicon greater than or 2000 bases in length.

15. (Withdrawn) A method for detecting a KIR allele comprising: (a) detecting one or more amplicons produced by the primer set of claim 5 with a sample having, or suspected of having a KIR allele.

16. (Withdrawn) The method of claim 15 further comprising:(b) contacting the primer set of claim 5 with a sample having, or suspected of having a KIR allele, and(c) producing one or more amplicons of one or more KIR alleles with the primer set if a KIR allele for which a primer set is specific for is present.

17. (Withdrawn) The method of claim 15, further comprising:(b) contacting the sample having, or suspected of having, a KIR allele with a primer set that has primer pairs that are capable of producing an amplicon for all presently known KIR alleles.

18. (Original) A kit for detecting one or more KIR alleles comprising the primer set of claim 5.

19. (Original) A kit for detecting one or more KIR alleles comprising the primer set of claim 7.